SCORE Search Results Details for Application 10552515 and Search Result 20081001 124602 us-10-552-515-1.rai.

Score Home Retrieve Application SCORE System SCORE Comments / FAQ Page List Overview Suggestions

This page gives you Search Results detail for the Application 10552515 and Search Result 20081001_124602_us-10-552-515-1.rai.

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GenCore version 6.2.1

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OM protein - protein search, using sw model

October 1, 2008, 12:45:51; Search time 587 Seconds Run on:

(without alignments)

324.920 Million cell updates/sec

Title: US-10-552-515-1

Perfect score: 4950

1 MRMAATAWAGLQGPPLPTLC.....SELSSHWTPFTVPKASQLQQ 933 Sequence:

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1246758 segs, 204424485 residues

Total number of hits satisfying chosen parameters: 1246758

Minimum DB seg length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

1: /ABSS/Data/CRF/ptodata/2/iaa/5 COMB.pep:*

2: /ABSS/Data/CRF/ptodata/2/iaa/6_COMB.pep:*

3: /ABSS/Data/CRF/ptodata/2/iaa/7_COMB.pep:*

4: /ABSS/Data/CRF/ptodata/2/iaa/H_COMB.pep:*

5: /ABSS/Data/CRF/ptodata/2/iaa/PCTUS COMB.pep:*

6: /ABSS/Data/CRF/ptodata/2/iaa/RE_COMB.pep:*

7: /ABSS/Data/CRF/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

No. Score Match Length DB ID Description			8				
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23 117 2.4 548 2 US-09-614-957D-25 Sequence 25, Appl 24 115.5 2.3 2013 1 US-08-324-977-12 Sequence 12, Appl 25 115.5 2.3 2013 1 US-08-324-977-12 Sequence 12, Appl 26 115.5 2.3 2013 1 US-08-384-616-12 Sequence 12, Appl 27 115.5 2.3 2013 2 US-09-315-850-12 Sequence 12, Appl 28 115.5 2.3 3010 1 US-08-324-977-2 Sequence 12, Appl 29 115.5 2.3 3010 1 US-08-324-977-14 Sequence 2, Appli 30 115.5 2.3 3010 1 US-08-324-977-14 Sequence 2, Appli 31 115.5 2.3 3010 1 US-08-324-977-14 Sequence 2, Appli 31 115.5 2.3 3010 1 US-08-384-616-2 Sequence 2, Appli 32 115.5 2.3 3010 1 US-08-384-616-14 Sequence 14, Appl 32 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 33 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 35 115.5 2.3 3010 2 US-09-315-850-12 Sequence 14, Appl 36 113.5 2.3 3010 2 US-09-315-850-14 Sequence 14, Appl 36 113.5 2.3 3010 2 US-09-315-850-14 Sequence 14, Appl 37 112.5 2.3 1107 3 US-10-369-493-112179 Sequence 12179, Appl 36 113.5 2.3 631 3 US-10-369-493-112179 Sequence 12179, Appl 37 112.5 2.3 1107 3 US-10-369-493-112179 Sequence 11586, A 38 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 40 108.5 2.2 578 2 US-09-052-753B-7 Sequence 19, Appl 40 108.5 2.2 578 2 US-09-052-753B-7 Sequence 19, Appl 41 108.5 2.2 578 2 US-09-052-753B-7 Sequence 16542, Appl 41 108 2 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 44 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 S	21	117	2.4	548	2	US-08-903-139B-8	Sequence 8, Appli
24 115.5 2.3 2013 1 US-08-324-977-12 Sequence 12, Appl 25 115.5 2.3 2013 1 US-08-384-616-12 Sequence 12, Appl 26 115.5 2.3 2013 1 US-08-384-616-12 Sequence 12, Appl 27 115.5 2.3 2013 2 US-09-315-850-12 Sequence 12, Appl 28 115.5 2.3 3010 1 US-08-324-977-2 Sequence 2, Appl 29 115.5 2.3 3010 1 US-08-324-977-14 Sequence 2, Appl 30 115.5 2.3 3010 1 US-08-384-616-2 Sequence 2, Appl 31 115.5 2.3 3010 1 US-08-384-616-2 Sequence 14, Appl 32 115.5 2.3 3010 1 US-08-384-616-14 Sequence 14, Appl 32 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 33 115.5 2.3 3010 1 US-08-904-686A-14 Sequence 14, Appl 34 115.5 2.3 3010 2 US-09-315-850-2 Sequence 2, Appli 35 115.5 2.3 3010 2 US-09-315-850-1 Sequence 2, Appli 35 115.5 2.3 3010 2 US-09-315-850-1 Sequence 2, Appli 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 12179, Appl 37 112.5 2.3 1107 3 US-11-216-782-11586 Sequence 11586, A 38 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 40 108.5 2.2 578 2 US-09-949-016-11540 Sequence 19, Appl 40 108.5 2.2 578 2 US-09-949-016-11540 Sequence 19, Appl 41 108.5 2.2 578 2 US-09-248-796A-16542 Sequence 16542, Appl 44 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 44 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Se	22	117	2.4	548	2	US-08-637-823B-25	Sequence 25, Appl
25 115.5 2.3 2013 1 US-08-384-616-12 Sequence 12, Appl 26 115.5 2.3 2013 1 US-08-904-686A-12 Sequence 12, Appl 27 115.5 2.3 2013 2 US-09-315-850-12 Sequence 12, Appl 28 115.5 2.3 3010 1 US-08-324-977-2 Sequence 2, Appli 29 115.5 2.3 3010 1 US-08-324-977-14 Sequence 14, Appl 30 115.5 2.3 3010 1 US-08-324-977-14 Sequence 2, Appli 31 115.5 2.3 3010 1 US-08-384-616-2 Sequence 2, Appli 31 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 32 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 33 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 34 115.5 2.3 3010 2 US-09-315-850-2 Sequence 2, Appli 35 115.5 2.3 3010 2 US-09-315-850-2 Sequence 2, Appli 36 113.5 2.3 3010 2 US-09-315-850-14 Sequence 14, Appl 36 113.5 2.3 3010 2 US-09-315-850-14 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 12179, A 37 112.5 2.3 1107 3 US-11-216-782-11586 Sequence 11586, A 38 110.5 2.2 680 3 US-09-725-735A-19 Sequence 19, Appl 39 110.5 2.2 680 3 US-09-725-735A-19 Sequence 19, Appl 40 108.5 2.2 578 2 US-09-052-753B-7 Sequence 7, Appli 41 108.5 2.2 578 2 US-09-052-753B-7 Sequence 7, Appli 42 106 2.1 539 2 US-09-0248-796A-16542 Sequence 16542, App 44 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, App 544 105 2.1 1089 2 US-10-012-338A-102 Sequence 102, App	23	117	2.4	548	2	US-09-614-957D-25	Sequence 25, Appl
26 115.5 2.3 2013 1 US-08-904-686A-12 Sequence 12, Appl 27 115.5 2.3 2013 2 US-09-315-850-12 Sequence 12, Appl 28 115.5 2.3 3010 1 US-08-324-977-2 Sequence 2, Appli 29 115.5 2.3 3010 1 US-08-324-977-14 Sequence 2, Appli 30 115.5 2.3 3010 1 US-08-384-616-2 Sequence 2, Appli 31 115.5 2.3 3010 1 US-08-384-616-14 Sequence 14, Appl 32 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 33 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 33 115.5 2.3 3010 1 US-08-904-686A-14 Sequence 14, Appl 34 115.5 2.3 3010 2 US-09-315-850-12 Sequence 2, Appli 35 115.5 2.3 3010 2 US-09-315-850-12 Sequence 2, Appli 36 113.5 2.3 3010 2 US-09-315-850-14 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 12179, Appl 37 112.5 2.3 1107 3 US-11-216-782-11586 Sequence 12179, Appl 39 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 40 108.5 2.2 523 2 US-09-949-016-11540 Sequence 19, Appl 40 108.5 2.2 578 2 US-09-052-753B-7 Sequence 19, Appl 41 108.5 2.2 578 2 US-09-052-753B-7 Sequence 1540, Appl 42 106 2.1 539 2 US-09-052-753B-7 Sequence 16542, Appl 44 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 54 105 2.1 1089 2 US-10-012-231A-102	24	115.5	2.3	2013	1	US-08-324-977-12	Sequence 12, Appl
27 115.5 2.3 2013 2 US-09-315-850-12 Sequence 12, Appl 28 115.5 2.3 3010 1 US-08-324-977-2 Sequence 2, Appli 30 115.5 2.3 3010 1 US-08-324-977-14 Sequence 2, Appli 31 115.5 2.3 3010 1 US-08-384-616-2 Sequence 2, Appli 31 115.5 2.3 3010 1 US-08-384-616-2 Sequence 14, Appl 32 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 14, Appl 33 115.5 2.3 3010 1 US-08-904-686A-14 Sequence 14, Appl 34 115.5 2.3 3010 2 US-09-315-850-2 Sequence 2, Appli 35 115.5 2.3 3010 2 US-09-315-850-1 Sequence 2, Appli 36 113.5 2.3 3010 2 US-09-315-850-1 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 11586, A 38 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 39 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 40 108.5 2.2 578 2 US-09-949-016-11540 Sequence 19, Appl 40 108.5 2.2 578 2 US-09-949-016-11540 Sequence 19, Appl 41 108.5 2.2 578 2 US-09-248-796A-16542 Sequence 16542, A 3 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, App 44 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, App	25	115.5	2.3	2013	1	US-08-384-616-12	Sequence 12, Appl
28 115.5 2.3 3010 1 US-08-324-977-2 Sequence 2, Appli 29 115.5 2.3 3010 1 US-08-324-977-14 Sequence 14, Appl 30 115.5 2.3 3010 1 US-08-384-616-2 Sequence 2, Appli 31 115.5 2.3 3010 1 US-08-384-616-14 Sequence 14, Appl 32 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 33 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 34 115.5 2.3 3010 2 US-09-315-850-2 Sequence 2, Appli 35 115.5 2.3 3010 2 US-09-315-850-2 Sequence 14, Appl 36 113.5 2.3 3010 2 US-09-315-850-14 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 11586, A 38 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 39 110.5 2.2 680 3 US-10-457-452-19 Sequence 19, Appl 40 108.5 2.2 523 2 US-09-949-016-11540 Sequence 19, Appl 10 108.5 2.2 578 2 US-09-052-753B-7 Sequence 7, Appli 41 108.5 2.1 1089 2 US-10-012-231A-102 Sequence 102, App 44 105 2.1 1089 2 US-10-012-331A-102 Sequence 102, App	26	115.5	2.3	2013	1	US-08-904-686A-12	Sequence 12, Appl
29 115.5 2.3 3010 1 US-08-324-977-14 Sequence 14, Appl 30 115.5 2.3 3010 1 US-08-384-616-2 Sequence 2, Appli 115.5 2.3 3010 1 US-08-384-616-14 Sequence 2, Appli 32 115.5 2.3 3010 1 US-08-384-616-14 Sequence 2, Appli 33 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 34 115.5 2.3 3010 2 US-09-315-850-2 Sequence 2, Appli 35 115.5 2.3 3010 2 US-09-315-850-12 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 12179, Appl 37 112.5 2.3 1107 3 US-10-369-493-12179 Sequence 12179, Appl 39 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 39 110.5 2.2 680 3 US-10-457-452-19 Sequence 19, Appl 40 108.5 2.2 523 2 US-09-949-016-11540 Sequence 11540, A 108.5 2.2 578 2 US-09-052-753B-7 Sequence 17, Appli 42 106 2.1 539 2 US-09-248-796A-16542 Sequence 16542, A 24 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, App 44 105 2.1 1089 2 US-10-012-3389A-102 Sequence 102, App	27	115.5	2.3	2013	2	US-09-315-850-12	Sequence 12, Appl
29 115.5 2.3 3010 1 US-08-324-977-14 Sequence 14, Appl 30 115.5 2.3 3010 1 US-08-384-616-2 Sequence 2, Appli 115.5 2.3 3010 1 US-08-384-616-14 Sequence 2, Appli 32 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 33 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 34 115.5 2.3 3010 2 US-09-315-850-2 Sequence 14, Appl 35 115.5 2.3 3010 2 US-09-315-850-14 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 12179, Appl 37 112.5 2.3 1107 3 US-11-216-782-11586 Sequence 11586, A 38 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 39 110.5 2.2 680 3 US-10-457-452-19 Sequence 19, Appl 40 108.5 2.2 523 2 US-09-949-016-11540 Sequence 11540, A 41 108.5 2.2 578 2 US-09-052-753B-7 Sequence 17540, A 41 108.5 2.2 578 2 US-09-052-753B-7 Sequence 16542, A 43 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, App 44 105 2.1 1089 2 US-10-012-3389A-102 Sequence 102, App	28	115.5	2.3	3010	1	US-08-324-977-2	Sequence 2, Appli
30 115.5 2.3 3010 1 US-08-384-616-2 Sequence 2, Appli 31 115.5 2.3 3010 1 US-08-384-616-14 Sequence 14, Appl 32 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 33 115.5 2.3 3010 1 US-08-904-686A-14 Sequence 14, Appl 34 115.5 2.3 3010 2 US-09-315-850-2 Sequence 2, Appli 35 115.5 2.3 3010 2 US-09-315-850-1 Sequence 2, Appli 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 14, Appl 37 112.5 2.3 1107 3 US-10-369-493-12179 Sequence 12179, A 37 112.5 2.3 680 2 US-09-725-735A-19 Sequence 19, Appl 39 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 40 108.5 2.2 523 2 US-09-949-016-11540 Sequence 19, Appl 40 108.5 2.2 578 2 US-09-052-753B-7 Sequence 19, Appl 40 108.5 2.2 578 2 US-09-052-753B-7 Sequence 19, Appl 40 108.5 2.2 578 2 US-09-248-796A-16542 Sequence 16542, A 43 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, App 44 105 2.1 1089 2 US-10-012-331A-102 Sequence 102, App	29	115.5	2.3	3010	1	US-08-324-977-14	
31 115.5 2.3 3010 1 US-08-384-616-14 Sequence 14, Appl 32 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 33 115.5 2.3 3010 1 US-08-904-686A-14 Sequence 14, Appl 34 115.5 2.3 3010 2 US-09-315-850-2 Sequence 2, Appli 35 115.5 2.3 3010 2 US-09-315-850-14 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 12179, A 37 112.5 2.3 1107 3 US-11-216-782-11586 Sequence 11586, A 38 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 39 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 40 108.5 2.2 523 2 US-09-949-016-11540 Sequence 19, Appl 108.5 2.2 523 2 US-09-052-753B-7 Sequence 11540, A 21 108.5 2.2 578 2 US-09-052-753B-7 Sequence 7, Appli 42 106 2.1 539 2 US-09-248-796A-16542 Sequence 16542, A 31 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, App 44 105 2.1 1089 2 US-10-012-331A-102 Sequence 102, App	30	115.5	2.3	3010	1	US-08-384-616-2	
32 115.5 2.3 3010 1 US-08-904-686A-2 Sequence 2, Appli 33 115.5 2.3 3010 1 US-08-904-686A-14 Sequence 14, Appl 1 115.5 2.3 3010 2 US-09-315-850-2 Sequence 14, Appl 35 115.5 2.3 3010 2 US-09-315-850-14 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 12179, Appl 37 112.5 2.3 1107 3 US-10-369-493-12179 Sequence 12179, Appl 39 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 39 110.5 2.2 680 3 US-10-467-452-119 Sequence 19, Appl 40 108.5 2.2 523 2 US-09-949-016-11540 Sequence 19, Appl 108.5 2.2 578 2 US-09-949-016-11540 Sequence 11540, Appl 108.5 2.2 578 2 US-09-052-753B-7 Sequence 19, Appl 40 106 2.1 539 2 US-09-248-796A-16542 Sequence 16542, Appl 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, Appl 44 105 2.1 1089 2 US-10-012-389A-102 Sequence 102, Appl 54					1		
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35 115.5 2.3 3010 2 US-09-315-850-14 Sequence 14, Appl 36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 12179, A 37 112.5 2.3 1107 3 US-11-216-782-11586 Sequence 11586, A 38 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 39 110.5 2.2 680 3 US-10-467-452-19 Sequence 19, Appl 40 108.5 2.2 523 2 US-09-949-016-11540 Sequence 19, Appl 108.5 2.2 578 2 US-09-949-016-11540 Sequence 11540, A 41 108.5 2.2 578 2 US-09-052-753B-7 Sequence 7, Appli 42 106 2.1 539 2 US-09-248-796A-16542 Sequence 16542, A 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, App 24 105 2.1 1089 2 US-10-012-389A-102 Sequence 102, App							
36 113.5 2.3 631 3 US-10-369-493-12179 Sequence 12179, A 37 112.5 2.3 1107 3 US-11-216-782-11586 Sequence 11586, A 38 110.5 2.2 680 2 US-09-725-735A-19 Sequence 19, Appl 39 110.5 2.2 680 3 US-10-457-452-19 Sequence 19, Appl 40 108.5 2.2 523 2 US-09-949-016-11540 Sequence 19, Appl 41 108.5 2.2 578 2 US-09-052-753B-7 Sequence 7, Appli 42 106 2.1 539 2 US-09-052-753B-7 Sequence 7, Appli 43 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, App 44 105 2.1 1089 2 US-10-015-389A-102 Sequence 102, App							
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40 108.5 2.2 523 2 US-09-949-016-11540 Sequence 11540, A 41 108.5 2.2 578 2 US-09-052-753B-7 Sequence 7, Appli 42 106 2.1 539 2 US-09-248-796A-16542 Sequence 16542, A 43 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, App 44 105 2.1 1089 2 US-10-015-389A-102 Sequence 102, App							
41 108.5 2.2 578 2 US-09-052-753B-7 Sequence 7, Appli 42 106 2.1 539 2 US-09-248-796A-16542 Sequence 16542, A 43 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, App 44 105 2.1 1089 2 US-10-015-389A-102 Sequence 102, App							
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43 105 2.1 1089 2 US-10-012-231A-102 Sequence 102, App 44 105 2.1 1089 2 US-10-015-389A-102 Sequence 102, App							
44 105 2.1 1089 2 US-10-015-389A-102 Sequence 102, App							
45 105 2.1 1089 2 US-10-006-768A-102 Sequence 102, App							
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ALIGNMENTS

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RESULT 1
US-10-104-047-2574
; Sequence 2574, Application US/10104047
; Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
: CURRENT APPLICATION NUMBER: US/10/104.047
; CURRENT FILING DATE: 2002-03-25
 PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEO ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
: SEO ID NO 2574
  LENGTH: 920
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-2574
 Query Match
                   30.9%; Score 1531.5; DB 2; Length 920;
 Best Local Similarity 37.9%; Pred. No. 4.1e-157;
 Matches 360; Conservative 168; Mismatches 316; Indels 105; Gaps 29;
        44 TSSGSHCARSRMLRRRAOEEDSTVLID----VSPPEAE----KRGSYGST---AHASEP 91
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         4 SSSGITNGKTKVFHPVA--KDVNILFDELEAVSSPCKDDDSLLHPGNLTSTSDDASRLEA 61
        92 GGQQAAACRAGS----PAKPRIADFVLVWEEDLKLDRQQDSAARDRTDMHRTWRETFLD 146
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           Db
        62 GGETVPERNKSNGLYFRDGKCRI-DYILVYRK-----SNPOTEK----REVFER 105
QУ
     147 NLRAAGLCVDOODVODGNTTVHYALLSASWAVLCYYAEDLRLKLPLOE----LPNOASNW 202
           Db
       106 NIRAEGLQMEKESSLI-NSDIIFVKLHAPWEVLGRYAEQMNVRMPFRRKIYYLPRRYKFM 164
       203 S----AGLLAWLGIPNVLL--EVVPDVPP-EYYSCRFRVNKLPRFLGSDNODTFFTST 253
0v
               Πh
       165 SRIDKOISRLRRWLPKKPMRLDKETLPDLEENDCYTAPFSOORIHHFI-IHNKETFFNNA 223
       254 KRHQILFEILAKTPYGHEKKNLLGIHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQR 313
Qy
            Db
       224 TRSRIVHHILQRIKY-EEGKNKIGLNRLLTNGSYEAAFPLHEGSYRSKNSIRTHGAENHR 282
Ov
       314 OVLFOHWARWGKWNKYOPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTLVFLVGCF 373
            283 HLLYECWASWGVWYKYOPLDLVRRYFGEKIGLYFAWLGWYTGMLFPAAFIGLFVFLYGVT 342
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       374 LVFSDIPTQELCGSKDSFEMCPLC-LDCPFWLLSSACALAQAGRLFDHGGTVFFSLFMAL 432
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SCORE Search Res	ults Det	nils for Application 10552515 and Search Result 20081001_124602_us-10-552-515-1.rai.	
Db	343	${\tt TLDHSQVSKEVCQATDII-MCPVCDKYCPFMRLSDSCVYAKVTHLFDNGATVFFAVFMAV}$	401
Qy	433	WAVLLLEYWKRKSATLAYRWDCSDYEDTEERPRPQFAAS-APMTAPNPITGEDEPYFPER	491
Db	402	WATVFLEFWKRRRAVIAYDWDLIDWEEEEEEIRPQFEAKYSKKERMNPISGKPEPYQAFT	461
Qу	492	SRARRMLAGSVVIVVMVAVVVMCLVSIILYRAIMAIVVSRSGNTLLA-AWASRIA : :: : : : : :: :	545
Db	462	DKCSRLIVSASGIFFMICVVIAAVFGIVIYRVVTVSTFAAFKWALIRNNSQVA	514
Qy	546	SLTGSVVNLVFILILSKIYVSLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSP: : ::::::: ::	603
Db	515	T-TGTAVCINFCIIMLLNVLYEKVALLLTNLEQPRTESEWENSFTLKMFLFQFVNLNSST	573
Qy	604	VYIAFFKGRFVGYPGNYHTLFG-VRNEECAAGGCLIELAQELLVIMVGKQVINNMQEVLI	662
Db	574	FYIAFFLGRFTGHPGAYLRLINRWRLEECHPSGCLIDLCMQMGIIMVLKQTWNNFMELGY	633
Qу	663	PKLKGWWQKFRLRSKKRKAGASAGASQGPWEDDYELVPCEGLFDEYLEMVLQFGFVTI	720
Db	634	PLIQNWWTRRKVRQEHGPERKISFPQWEKDYNLQPMNAYGLFDEYLEMILQFGFTTI	690
QУ	721	FVAACPLAPLFALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVISN	780
Db	691	FVAAFPLAPLLALLNNIIEIRLDAYKFVTQWRRPLASRAKDIGIWYGILEGIGILSVITN	750
Qy	781	AFLLAFSSDFLPRAYYRWTRAHDLRGFLNFTLARAP	816
Db	751	AFVIAITSDFIPRLVYAYKYGPCAGQGEAGQKCMVGYVNASLSVFRISDFENRSEPESDG	810
Qy	817	SSFAAAHNRTCRYRAFRDDDGHYSQTYWNLLAIRLAFVIVFEHVVFSVGRLLDLL	871
Db	811	SEFSGTPLKYCRYRDPPHSLVPYGYTLQFWHVLAARLAFIIVFEHLVFCIKHLISYL	870
Qy	872	VPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDEQPKGSELSSHW 920	
Db	871	IPDLPKDLRDRMRREKYLIQEMMYEAELERLQKERKERKKNGKAHHNEW 919	

RESULT 2

US-10-104-047-2541

- ; Sequence 2541, Application US/10104047
- ; Patent No. 6943241
- ; GENERAL INFORMATION:
- ; APPLICANT: HELIX RESEARCH INSTITUTE
- ; TITLE OF INVENTION: No. 6943241el full length cDNA
- ; FILE REFERENCE: H1-A0105
- ; CURRENT APPLICATION NUMBER: US/10/104,047
- ; CURRENT FILING DATE: 2002-03-25
- ; PRIOR APPLICATION NUMBER:
- ; PRIOR FILING DATE:
- ; NUMBER OF SEQ ID NOS: 4096
- SOFTWARE: PatentIn Ver. 2.1

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; SEQ ID NO 2541
; LENGTH: 596
; TYPE: PRT
  ORGANISM: Homo sapiens
US-10-104-047-2541
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                   23.3%; Score 1154; DB 2; Length 596;
 Best Local Similarity 41.3%; Pred. No. 3.9e-116;
 Matches 250; Conservative 108; Mismatches 194; Indels 54; Gaps 14;
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       416 RLFDHGGTVFFSLFMALWAVLLLEYWKRKSATLAYRWDCSDYEDTEERPRPOFAAS-APM 474
Ov
           61 HLFDNGATVFFAVFMAVWATVFLEFWKRRRAVIAYDWDLIDWEEEEEEIRPOFEAKYSKK 120
Db
Qv
      475 TAPNPITGEDEPYFPERSRARRMLAGSVVIVVMVAVVVMCLVSIILYRAIMAIVVSRSGN 534
             |||:|:||| : |:: : | |::||: : |::||:
Db
       121 ERMNPISGKPEPYOAFTDKCSRLIVSASGIFFMICVVIAAVFGIVIYRVVTV-----S 173
       535 TLLA-AWA----SRIASLTGSVV--NLVFILILSKIYVSLAHVLTRWEMHRTOTKFEDA 586
QУ
          174 TFAAFKWALIRNNSOVAT-TGTAVCINFCIIMLLNVLYEKVALLLTNLEOPRTESEWENS 232
Db
       587 FTLKVFIFOFVNFYSSPVYIAFFKGRFVGYPGNYHTLFG-VRNEECAAGGCLIELAOELL 645
Οv
           233 FTLKMFLF0FVNLNSSTFYIAFFLGRFTGHPGAYLRLINRWRLEECHPSGCLIDLCMOMG 292
Db
Qy
       646 VIMVGKOVINNMOEVLIPKLKGWWOKFRLRSKKRKAGASAGASOGPWEDDYELVPCE--G 703
           293 IIMVLKQTWNNFMELGYPLIONWWTR---RKVRQEHGPERKISFPQWEKDYNLOPMNAYG 349
Db
Οv
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           1111111:1111 11111 11111 11111 11111 :11111 111 ::111:1 11:111
       350 LFDEYLEMILQFGFTTIFVAAFPLAPLLALLNNIIEIRLDAYKFVTQWRRPLASRAKDIG 409
Dh
       764 IWFHILAGLTHLAVISNAFLLAFSSDFLPRAYYRW-----TRAHDLRGFLNFTLA 813
Q.V
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Db
      814 -----RAPSSFAAAHNRTCRYRAFRDDDGH----YSOTYWNLLAIRLAFV 854
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                       Db
       470 VFRISDFENRSEPESDGSEFSGTPLKYCRYRDYRDPPHSLVPYGYTLQFWHVLAARLAFI 529
       855 IVFEHVVFSVGRLLDLLVPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDEQPKGS 914
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           530 IVFEHLVFCIKHLISYLIPDLPKDLRDRMRREKYLIOEMMYEAELERLOKERKERKKNGK 589
Db
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Db
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RESULT 3
US-10-104-047-3116
; Sequence 3116, Application US/10104047
: Patent No. 6943241
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 6943241el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEO ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEO ID NO 3116
 LENGTH: 475
 TYPE: PRT
  ORGANISM: Homo sapiens
US-10-104-047-3116
              18.4%; Score 912.5; DB 2; Length 475;
 Query Match
 Best Local Similarity 38.0%; Pred. No. 7e-90;
 Matches 202; Conservative 89; Mismatches 143; Indels 97; Gaps 12;
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      490 ERSRARRMLAGSVVIVVMVAVVVMCLVSIILYRAIMAIVVSRSGNTLLA-AWA----SR 543
Qy
                        : []: : [::][: :] :[ [] []:
Db
       33 ----STFAAFKWALIRNNSQ 67
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Ov
           68 VAT-TGTAVCINFCIIMLLNVLYEKVALLLTNLEQPRTESEWENSFTLKMFLFQFVNLNS 126
Dh
       602 SPVYIAFFKGRFVGYPGNYHTLFG-VRNEECAAGGCLIELAQELLVIMVGKQVINNMQEV 660
Q.y
           127 STFYIAFFLGRFTGHPGAYLRLINRWRLEECHPSGCLIDLCMOMGIIMVLKOTWNNFMEL 186
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Qy
            Db
       187 GYPLIQNWWTR---RKVRQEHGPERKISFPQWEKDYNLQPMNAYGLFDEYLEMILQFGFT 243
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           244 TIFVAAFPLAPLLALLNNIIEIRLDAYKFVTOWRRPLASRAKDIGIWYGILEGIGILSVI 303
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       304 TNAFVIAITSDFIPRLVYAYKYGPCAGOGEAGOKCMVGYVNASLSVFRISDFENRSEPES 363
Db
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Qv
       870 LLVPDIPESVEIKVKREYYLAKOALAENEVLFGTNGTKDEOPKGSELSSHW 920
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Db
       424 YLIPDLPKDLRDRMRREKYLIQEMMYEAELERLQKERKERKKNGKAHHNEW 474
RESULT 4
US-10-108-260A-4483
; Sequence 4483, Application US/10108260A
; Patent No. 7193069
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 7193069el full length cDNA
: FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEO ID NO 4483
  LENGTH: 642
: TYPE: PRT
  ORGANISM: Homo sapiens
US-10-108-260A-4483
 Query Match 18.3%; Score 905; DB 3; Length 642;
 Best Local Similarity 35.4%; Pred. No. 7.8e-89;
 Matches 222; Conservative 106; Mismatches 219; Indels 80; Gaps 17;
        26 GLYCRDOAHAERWAMT--SETSSGSHCARSRMLRRRAQEEDSTVLIDVSPPEAEKRGSYG 83
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           24 GLYFRDGRRKVDYILVYHHKRPSG----NRTLVRRVOHSDTP-----SGA 64
Dh
        84 STAHASEPGGOOAAACRAGSPAKPRIADFVLVWEEDLKLDROODSAARDRTDMHRTWRET 143
Qy
           : | : |: ||| |
                                         : | : | | | | | |
Db
        65 RSVKQDHPLPGKGASLDAGSGEPP------MDYHEDD-----KRFRREE 102
        144 FLDNLRAAGLCVDOODVODGNTTVH---YALLSASWAVLCYYAEDLRLKLPLOELPNOAS 200
Ov
           103 YEGNLLEAGLELE----RDEDTKIHGVGFVKIHAPWNVLCREAEFLKLKMPTKKMYH--I 156
Db
Qv
        201 NWSAGLLAWLGIPNVLLEVVPDVPPEYYSCR----FRVNKLPRFLGSDNODTFF 250
           157 NETRGLLK--KINSVLOKITDPIOPKVAEHRPOTMKRLSYPFSREKOHLFDLSD-KDSFF 213
Db
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Qy
            214 DSKTRSTIVYEILKRTTCTKAKYS-MGITSLLANGVYAAAYPLHDGDY-----NGENVEF 267
Db
Qv
        311 NOROVLFOHWARWGKWNKYOPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTLVFLV 370
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Ov
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Db
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        430 MALWAVLLLEYWKRKSATLAYRWDCSDYEDTEERPRPQFAA----SAPMTAPNPITGED 484
Qv
           388 MALWAATFMEHWKRKOMRLNYRWDLTGFEEEEDHPRAEYEARVLEKSLKKESRNKET--D 445
Db
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           Db
        446 KVKLTWRDRFPAYLTNLVSTIFMIAVTFAIVLGVTTYRTSMAAALAMNSSPSVRSNTRVT 505
      545 ASLTGSVVNLVFILILSKIYVSLAHVLTRWEMHRTOTKFEDAFTLKVFIFOFVNFYSSPV 604
Ov
            Db
        506 VTATAVIINLVVIILLDEVYGCIARWLTKIEVPKTEKSFEERLIFKAFLLKFVNSYTPIF 565
       605 YIAFFKGRFVGYPGNYHTLF-GVRNEE 630
Qv
           Dh
       566 YVAFFKGRFVGRPGDYVYIFRSFRMEE 592
RESULT 5
US-09-270-767-45552
; Sequence 45552, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
 TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEO ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
: SEO ID NO 45552
; LENGTH: 425
 TYPE: PRT
;
; ORGANISM: Drosophila melanogaster
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-45552
 Query Match
                    16.1%; Score 796; DB 2; Length 425;
 Best Local Similarity 41.1%; Pred. No. 3.2e-77;
 Matches 171; Conservative 85; Mismatches 128; Indels 32; Gaps
                                                              9;
     443 RKSATLAYRWDCSDYEDTEERPRPOFAA---SAPMTAPNPITGEDEPYFP-ERSRARRML 498
Qy
           Db
         1 RYSAEITHRWDLTGFDVHEEHPRPOYLARLEHIPPTRVDYVTNIKEPTVPFWRMKLPATV 60
       499 AGSVVIVVMVAVVVMCLVSIILYRAIMAIVVSRSGNTLLAAWASRIASLTGSVVNLVFIL 558
Qv.
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Db
       61 FSFSVVLLLIALAFVALLAVVVYRMSMLAALKVGASPMTTSSAIVLATASAAFVNLCLLY 120
      559 ILSKIYVSLAHVLTRWEMHRTOTKFEDAFTLKVFIFOFVNFYSSPVYIAFFKGRFVGYPG 618
Ov
          121 ILNYMYNHLAEYLTELEMWRTQTQFDDSLTLKIYLLQFVNYYASIFYIAFFKGKFVGHPG 180
Db
       619 NYHTLFGVRNEECAAGGCLIELAQELLVIMVGKQVINNMQEVLIPKLKGWWQKFRLRSKK 678
Qv
           181 EYNKLFDYROEECSSGGCLTELCIOLAIIMVGKOAFNTILEVYLPM---FWRKV----LA 233
Db
Qy
       679 RKAGASAGASOGP------WEDDYELVP--CEGLFDEYLEMVLOFGFVTIFVAACPL 727
           Db
       234 IQVGLSRLFNNTPNPDKTKDERWMRDFKLLDWGARGLFPEYLEMVLQYGFVTIFVAAFPL 293
      728 APLFALLNNWVEIRLDARKFVCEYRRPVAERAODIGIWFHILAGLTHLAVISNAFLLAFS 787
Ov
          Db
       294 APFFALLNNILEMRLDAKKLLTHHKRPVSORVRDIGVWYRILDCIGKLSVITNGFIIAFT 353
       788 SDFLPR-AYYRWTRAHDLRGFLNFTLAR----APSSFAAAHN----RTCRYRAFR 833
Q.y
          Db
       354 SDMIPRLVRHXVNKOGTLDGYLNFTLSEFKVIDSPTLYSLAGDLSNITTCRYTDFR 409
RESULT 6
US-10-108-260A-3990
; Sequence 3990, Application US/10108260A
; Patent No. 7193069
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
 TITLE OF INVENTION: No. 7193069el full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEO ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
: SEO ID NO 3990
; LENGTH: 483
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-3990
 Query Match 13.8%; Score 684.5; DB 3; Length 483;
 Best Local Similarity 35.1%; Pred. No. 6.3e-65;
 Matches 171; Conservative 95; Mismatches 168; Indels 53; Gaps 14;
       479 PITGEDE-----PYFPERSRARRMLAGSVVIVVMVAVVVMCLV----SIILYRAIM 525
Qv
         Db
         2 PAVSEEMALOLINCPDYKLRPYOHSYLRSTVILV--LTLLMICLMIGMAHVLVVYRVLA 59
      526 AIVVSRSGNTLLAAWASRIASLTGSVVNLVFILILSKIYVSLAHVLTRWEMHRTOTKFED 585
Qv
          Db
       60 SALFSSSAVPFLEEOVTTAVVVTGALVHYVTIVIMTKINRRVALKLCDFEMPRTFSERES 119
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586 AFTLKVFIFOFVNFYSSPVYIAFFKGRFVGYPGNYHTLFGV-RNEECAAGGCLIELAQEL 644
Q.V
             Db
        120 RFTIRFFTLOFFTHFSSLIYIAFILGRINGHPGKSTRLAGLWKLEECHASGCMMDLFVOM 179
Qv
        645 LVIMVGKOVINNMOEVLIPKLKGWWOKFRLRSKKRKAGASAGASOGP----WEDDYELVP 700
             :|| || ::| | |:| | | :|| :| |
                                                      1 :1 1
Db
        180 AIIMGLKQTLSNCVEYLVP-----WVTHKCRS--LRASESGHLPRDPELRDWRRNYLLNP 232
        701 CE--GLFDEYLEMVLOFGFVTIFVAACPLAPLFALLNNWVEIRLDARKFVCEYRRPVAER 758
Qy
                Db
        233 VNTFSLFDEFMEMMIOYGFTTIFVAAFPLAPLLALFSNLVEIRLDAIKMVWLORRLVPRK 292
        759 AQDIGIWFHILAGLTHLAVISNAFLLAFSSDFLPRAYYRW-----TRAHDLRGFL 808
Οv
            1:111 | :1 : | | | | :1|:|:|:|:| | ::
        293 AKDIGTWLOVLETIGVLAVIANGMVIAFTSEFIPRVVYKYRYSPCLKEGNSTVDCLKGYV 352
Db
        809 NFTLA-----RAPSSFAAAHNRT-CRYRAFRD-DDGHYSOTYWNLLAIRLAFVIVFEH 859
Qy
            Db
        353 NHSLSVFHTKDFQDPDGIEGSENVTLCRYRDYRNPPDYNFSEQFWFLLAIRLAFVILFEH 412
        860 VVFSVGRLLDLLVPDIPESVEIKV-KREYYLAKOALAENEVLFGTNGTKDEOPKGSELSS 918
Ov
            | : : |||||:||:|| ::: | | | | :::
Db
        413 VALCIKLIAAWFVPDIPOSVKNKVLEVKYORLREKMWHGRORLGGVGAGSRPP----MPA 468
       919 HWTPFTV 925
Qv
           1 11 ::
Db
       469 HPTPASI 475
RESULT 7
US-10-108-260A-3644
; Sequence 3644, Application US/10108260A
; Patent No. 7193069
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 7193069el full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEO ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
: SEO ID NO 3644
  LENGTH: 660
; TYPE: PRT
  ORGANISM: Homo sapiens
US-10-108-260A-3644
               12.0%; Score 594.5; DB 3; Length 660;
 Query Match
 Best Local Similarity 24.1%; Pred. No. 7.7e-55;
 Matches 171; Conservative 122; Mismatches 231; Indels 185; Gaps
                                                                 20:
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Qv

228 YSCRFRVNKLPRFLG-SDNODTFFTSTKRHOILFEILAKTPYGHEKKNLLG----- 277

Db	100	:: : : : FTYRTRQNFKGFDDNNDDFLTMAECQFIIKHELENLRAKDEKMIPGY	146
Qy		IHQLLAEGVLSAAFPLHDGPFKTPPEGPQAPRLNQRQVLFQHW-ARWGK	
Db	147	: : :: : : PQAKLYPGKSLLRRLLTSGIVIQVFPLHDSEALKKLEDTWYTRFAL	192
Qy	326	WNKYQPLDHVRRYFGEKVALYFAWLGFYTGWLLPAAVVGTLVFLVGCFLVFSDIPTQELC	385
Db	193	KYQPIDSIRGYFGETIALYFGFLEYFTFALIPMAVIG	229
Qy		GSKDSFEMCPLCLDCPFWLLSSACALAQAGRLFDHGGTVFFSLFMALWAVLLLEYWKRKS	
Db	230	:: : : ::	265
Qy	446	ATLAYRWDCSDYEDTEERPRQFAASAPMTAPNPITGEDEPYFPERSRARRMLAGSVVIV	505
Db	266	ANMTYRWGTLLMKRKFEEPRPGFHGVLGINSITGKEEPLYPSYKRQLRIYLVSLPFV	322
Qy	506	VMVAVVVMCLVSIILYRAIMAIVVSRSGNTLLAAWASRIASLTGSVVNLVFILILSKIYV : :: : : : : : :: :	565
Db	323	CLCLYFSLYVMMIYFDMEVWALGLHENSGSEWTS-VLLYVPSIIYAIVIEIMNRLYR	378
Qy	566	SLAHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSPVYIAFFKGRFVGYPGNYHTLFG	625
Db	379	YAAEFLTSWENHRLESAYQNHLILKVLVFNFLNCFASLFYIAFV	422
Qy	626	VRNEECAAGGCLIELAQELLVIMVGKQVINNMQEVLIPKLKGWWQKFRLRSKKRKAGA:::: :: :: : : : :: ::	683
Db	423	LKDMKLLRQSLATLLITSQILNQIMESFLPYWLQRKHGVRVKRKVQAL	470
Qy	684	SAGASQGPWEDDYELVPCEGLFDEYLEMVLQFGFVTIFVAACPLAPLFALLNNWVEI : :	740
Db	471	KADIDATLYEQVILEKEMGTYLGTFDDYLELFLQFGYVSLFSCVYPLAAAFAVLNNFTEV	530
Qy	741	RLDARKFVCEYRRPVAERAQDIGIWFHILAGLTHLAVISNAFLLAFSSDFLPRAYYRWTR	800
Db	531	NSDALKMCRVFKRPFSEPSANIGVWQLAFETMSVISVVTNCALIGMSPQVNAVFPESK	588
Qy	801	AHDLRGFLNFTLARAPSSFAAAHNRTCRYRAFRDDDGHYSQTYWNLLAIRLAFVIVFEHV	860
Db	589	A-DLILIVVAVEHA	601
Qy	861	VFSVGRLLDLLVPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDE 909 :::: : :: :: ::	
Db	602	LIALKFILAFAIPDKPRHIQMKLARLEFESLEALKQQQMKLVTENLKEE 650	

RESULT 8

US-10-100-683-7209

; Sequence 7209, Application US/10100683

; Patent No. 7368531 ; GENERAL INFORMATION:

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; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS900
; CURRENT APPLICATION NUMBER: US/10/100,683
: CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: US 60/040,162
 PRIOR FILING DATE: 1997-03-07
 PRIOR APPLICATION NUMBER: US 60/043,576
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,601
 PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: US 60/056,845
; PRIOR FILING DATE: 1997-08-22
 PRIOR APPLICATION NUMBER: US 60/043,580
; PRIOR FILING DATE: 1997-04-11
 PRIOR APPLICATION NUMBER: US 60/047,599
; PRIOR FILING DATE: 1997-05-23
: PRIOR APPLICATION NUMBER: US 60/056,664
 PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/043,314
 PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,632
; PRIOR FILING DATE: 1997-05-23
 PRIOR APPLICATION NUMBER: US 60/056,892
; PRIOR FILING DATE: 1997-08-22
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13468
; SOFTWARE: PatentIn Ver. 2.0
; SEO ID NO 7209
; LENGTH: 257
 TYPE: PRT
; ORGANISM: Homo sapiens
US-10-100-683-7209
                      9.2%; Score 455.5; DB 3; Length 257;
 Ouerv Match
 Best Local Similarity 42.2%; Pred. No. 2.4e-40;
 Matches 108; Conservative 41; Mismatches 56; Indels 51; Gaps 9;
Q.y
        709 LEMVLQFGFVTIFVAACPLAPLFALLNNWVEIRLDARKFVCEYRRPVAERAQDIGIWFHI 768
            Db
          1 MEMIIOFGFVTLFVASFPLAPLFALLNNIIEIRLDAKKFVTELRRPVAVRAKDIGIWYNI 60
      769 LAGLTHLAVISNAFLLAFSSDFLPRA--YYRWTRAHDLRGFLNFTLARAPSSF----- 819
Qy
           61 LRGIGKLAVIINAFVISFTSDFIPRLVYLYMYSKNGTMHGFVNHTL.---SSFNVSDFON 116
Db
       820 AAAHN-----RTCRYRAFRD---DDGHY--SQTYWNLLAIRLAFVIVFEHVVFSVG 865
Qv.
             117 GTAPNDPLDLGYEVOICRYKDYREPPWSENKYDISKDFWAVLAARLAFVIVFONLVMFMS 176
Db
Qv
       866 RLLDLLVPDIPESVEIKVKREYYLA------KQALAENEVLFGTNGTKDEQP---- 911
             Db
        177 DFVDWVIPDIPKDISQOIHKEKVLMVELFMREEQDKQQLL--ETWMEKERQKDEPPCNHH 234
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0.v
         912 -----KGSELSSH 919
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Db
        235 NTKACPDSLGSPAPSH 250
RESULT 9
US-11-001-793-7209
; Sequence 7209, Application US/11001793
; Patent No. 7411051
; GENERAL INFORMATION:
: APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Human Secreted Proteins
; FILE REFERENCE: PS900
; CURRENT APPLICATION NUMBER: US/11/001,793
; CURRENT FILING DATE: 2004-12-02
; PRIOR APPLICATION NUMBER: US/10/100,683
: PRIOR FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: US 60/040,162
; PRIOR FILING DATE: 1997-03-07
  PRIOR APPLICATION NUMBER: US 60/043,576
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,601
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: US 60/056,845
  PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/043,580
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,599
; PRIOR FILING DATE: 1997-05-23
  PRIOR APPLICATION NUMBER: US 60/056,664
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/043,314
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: US 60/047,632
; PRIOR FILING DATE: 1997-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 13468
 SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7209
; LENGTH: 257
  TYPE: PRT
  ORGANISM: Homo sapiens
US-11-001-793-7209
                        9.2%; Score 455.5; DB 3; Length 257;
 Query Match
 Best Local Similarity 42.2%; Pred. No. 2.4e-40;
 Matches 108; Conservative 41; Mismatches 56; Indels 51; Gaps 9;
        709 LEMVLOFGFVTIFVAACPLAPLFALLNNWVEIRLDARKFVCEYRRPVAERAODIGIWFHI 768
Qy
             Db
         1 MEMIIQFGFVTLFVASFPLAPLFALLNNIIEIRLDAKKFVTELRRPVAVRAKDIGIWYNI 60
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Qv
        769 LAGLTHLAVISNAFLLAFSSDFLPRA--YYRWTRAHDLRGFLNFTLARAPSSF---- 819
            | |: |||| |||:::|:|||:|| | | |::: : ||:|| ||
Db
        61 LRGIGKLAVIINAFVISFTSDFIPRLVYLYMYSKNGTMHGFVNHTL---SSFNVSDFON 116
       820 AAAHN-----RTCRYRAFRD---DDGHY--SOTYWNLLAIRLAFVIVFEHVVFSVG 865
Qv
             117 GTAPNDPLDLGYEVOICRYKDYREPPWSENKYDISKDFWAVLAARLAFVIVFONLVMFMS 176
Db
        866 RLLDLLVPDIPESVEIKVKREYYLA------KOALAENEVLFGTNGTKDEOP---- 911
0v
             Db
        177 DFVDWVIPDIPKDISOOIHKEKVLMVELFMREEODKOOLL--ETWMEKEROKDEPPCNHH 234
       912 -----KGSELSSH 919
Qy
                   11 11
Db 235 NTKACPDSLGSPAPSH 250
RESULT 10
US-09-876-997-457
; Sequence 457, Application US/09876997
; Patent No. 7060479
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean Baptiste
; APPLICANT: Bouqueleret, Lydie
; APPLICANT: Jobert, Severin
 TITLE OF INVENTION: FULL-LENGTH HUMAN CDNAS ENCODING POTENTIALLY SECRETED PROTEINS
; FILE REFERENCE: 78.US4.CIP
; CURRENT APPLICATION NUMBER: US/09/876,997
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/731,872
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/187,470
; PRIOR FILING DATE: 2000-03-06
; PRIOR APPLICATION NUMBER: US 60/169,629
; PRIOR FILING DATE: 1999-12-08
; NUMBER OF SEQ ID NOS: 482
; SOFTWARE: Patent.pm
; SEQ ID NO 457
  LENGTH: 393
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-997-457
 Query Match
                      8.3%; Score 411.5; DB 3; Length 393;
 Best Local Similarity 23.8%; Pred. No. 3.3e-35;
 Matches 111; Conservative 95; Mismatches 172; Indels 89; Gaps 11;
       448 LAYRWDCSDYEDTEERPRPOFAASAPMTAPNPITGEDEPYFPERSRARRMLAGSVVIVVM 507
Ov
           1 MTYRWGTLLMKRKFEEPRPGFHG---VLGINSITGKEEPLYPSYKROLRIYLVSLPFVCL 57
Db
     508 VAVVVMCLVSIILYRAIMAIVVSRSGNTLLAAWASRIASLTGSVVNLVFILILSKIYVSL 567
Q.v
                : :: | : |: : : | |: |: : : | |::::|
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Db
       58 CLYFSLYVMMIYFDMEVWALGLHENSG---SEWTS-VLLYVPSIIYAIVIEIMNRLYRYA 113
    568 AHVLTRWEMHRTOTKFEDAFTLKVFIFOFVNFYSSPVYIAFFKGRFVGYPGNYHTLFGVR 627
Ov
        114 AEFLTSWENHRLESAYONHLILKVLVFNFLNCFASLFYIAFV-----LK 157
Db
Qv
      628 NEECAAGGCLIELAQELLVIMVGKQVINNMQEVLIPKLKGWW--QKFRLRSKKRKAGASA 685
        Db
       158 DMKL-----LROSLATLLITSOILNOIMESFLP----YWLORKHGVRVKRKVOALKA 205
     686 GASQGPWED---DYELVPCEGLFDEYLEMVLQFGFVTIFVAACPLAPLFALLNNWVEIRL 742
Qy
            206 DIDATLYEQVILEKEMGTYLGTFDDYLELFLQFGYVSLFSCVYPLAAAFAVLNNFTEVNS 265
Db
      743 DARKFVCEYRRPVAERAODIGIWFHILAGLTHLAVISNAFLLAFSSDFLPRAYYRWTRAH 802
Ov
          266 DALKMCRVFKRPFSEPSANIGVWOLAFETMSVISVVTNCALIGMSPOV--NAVFPESKA- 322
Dh
Qy
     803 DLRGFLNFTLARAPSSFAAAHNRTCRYRAFRDDDGHYSQTYWNLLAIRLAFVIVFEHVVF 862
                                           : 1: 11:
       323 DI.-----ILTVVAVEHALL 336
Db
    863 SVGRLLDLLVPDIPESVEIKVKREYYLAKOALAENEVLFGTNGTKDE 909
QУ
       Db
      337 ALKFILAFAIPDKPRHIOMKLARLEFESLEALKOOOMKLVTENLKEE 383
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RESULT 11
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US-10-643-836-457

; Patent No. 7271243 : GENERAL INFORMATION:

; Sequence 457, Application US/10643836

; PRIOR APPLICATION NUMBER: US 60/169,629 ; PRIOR FILING DATE: 1999-12-08 ; PRIOR APPLICATION NUMBER: US 60/187,470

```
; APPLICANT: Dumas Milne Edwards, Jean Baptiste
; APPLICANT: Bouguelert, Lydie
APPLICANT: Bouguelert, Lydie
APPLICANT: Jobett, Severin
; TITLE OF INVENTION: FULL-LENGTH HUMAN CDNAS ENCODING POTENTIALLY SECRETED PROTEINS
; FILE REFERENCE: 78.US3.REG
CURRENT APPLICATION NUMBER: US/10/643,836
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US/09/731,872
; PRIOR FILING DATE: 2000-12-07
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; PRIOR FILING DATE: 2000-03-06
; NUMBER OF SEQ ID NOS: 482
; SOFTWARE: Patent.pm
; SEQ ID NO 457
; LENGTH: 393
; TYPE: PRT
; ORGANISM: Homo sapiens
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US-10-643-836-457

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Query Match
                     8.3%; Score 411.5; DB 3; Length 393;
 Best Local Similarity 23.8%; Pred. No. 3.3e-35;
 Matches 111; Conservative 95; Mismatches 172; Indels 89; Gaps 11;
        448 LAYRWDCSDYEDTEERPRPOFAASAPMTAPNPITGEDEPYFPERSRARRMLAGSVVIVVM 507
Qy
           Db
         1 MTYRWGTLLMKRKFEEPRPGFHG---VLGINSITGKEEPLYPSYKROLRIYLVSLPFVCL 57
     508 VAVVVMCLVSIILYRAIMAIVVSRSGNTLLAAWASRIASLTGSVVNLVFILILSKIYVSL 567
Q.v
               : :: | : | : | : | | : | | :: : | | | :: : |
        58 CLYFSLYVMMIYFDMEVWALGLHENSG---SEWTS-VLLYVPSIIYAIVIEIMNRLYRYA 113
Db
Qy
      568 AHVLTRWEMHRTQTKFEDAFTLKVFIFQFVNFYSSPVYIAFFKGRFVGYPGNYHTLFGVR 627
           Db
        114 AEFLTSWENHRLESAYONHLILKVLVFNFLNCFASLFYIAFV-----LK 157
       628 NEECAAGGCLIELAQELLVIMVGKQVINNMQEVLIPKLKGWW--QKFRLRSKKRKAGASA 685
QУ
                Db
        158 DMKL-----LRQSLATLLITSQILNQIMESFLP----YWLQRKHGVRVKRKVQALKA 205
       686 GASQGPWED---DYELVPCEGLFDEYLEMVLQFGFVTIFVAACPLAPLFALLNNWVEIRL 742
Ov
                206 DIDATLYEOVILEKEMGTYLGTFDDYLELFLOFGYVSLFSCVYPLAAAFAVLNNFTEVNS 265
Db
        743 DARKFYCEYRRPVAERAODIGIWFHILAGLTHLAVISNAFLLAFSSDFLPRAYYRWTRAH 802
Qy
           Db
        266 DALKMCRVFKRPFSEPSANIGVWOLAFETMSVISVVTNCALIGMSPOV--NAVFPESKA- 322
      803 DLRGFLNFTLARAPSSFAAAHNRTCRYRAFRDDDGHYSOTYWNLLAIRLAFVIVFEHVVF 862
Ov
        323 DL-----ILIVVAVEHALL 336
Db
      863 SVGRLLDLLVPDIPESVEIKVKREYYLAKQALAENEVLFGTNGTKDE 909
Q.V
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     337 ALKFILAFAIPDKPRHIOMKLARLEFESLEALKOOOMKLVTENLKEE 383
Db
RESULT 12
US-09-270-767-61064
; Sequence 61064, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
 TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEO ID NOS: 62517
 SOFTWARE: PatentIn Ver. 2.0
: SEO ID NO 61064
; LENGTH: 215
 TYPE: PRT
; ORGANISM: Drosophila melanogaster
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US-09-270-767-61064
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8.0%; Score 396.5; DB 2; Length 215;
 Ouerv Match
 Best Local Similarity 43.2%; Pred. No. 5e-34;
 Matches 89: Conservative 36: Mismatches 54: Indels 27: Gaps 6:
      648 MVGKQVINNMQEVLIPKLKGWWQKFRLRSKKRKAGASAGASQGP-----WEDDYEL 698
Qv
           1 MVGKQAFNTILEVYLPM---FWRKV----LAIOVGLSRLFNNTPNPDKTKDERWMRDFKL 53
Db
      699 VP--CEGLFDEYLEMVLOFGFVTIFVAACPLAPLFALLNNWVEIRLDARKFVCEYRRPVA 756
Qy
           54 LDWGARGLFPEYLEMVLOYGFVTIFVAAFPLAPFFALLNNILEMRLDAKKLLTHHKRPVS 113
Db
Ov
       757 ERAODIGIWFHILAGLTHLAVISNAFLLAFSSDFLPRAYYRWTRAHDLRGFLNFTLAR-- 814
           Db
       114 QRVRDIGVWYRILDCIGKLSVITNGFIIAFTSDMIPRLVRHVNKQGTLDGYLNFTLSEFK 173
     815 ---APSSFAAAHN----RTCRYRAFR 833
Qy
             :1: :: 1 : 1111 11
Db 174 VIDSPTLYSLAGDLSNITTCRYTDFR 199
RESULT 13
US-09-270-767-32253
; Sequence 32253, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270.767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEO ID NO 32253
; LENGTH: 366
; TYPE: PRT
 ORGANISM: Drosophila melanogaster
US-09-270-767-32253
 Ouerv Match
                    7.1%; Score 353; DB 2; Length 366;
 Best Local Similarity 32.4%; Pred. No. 7.3e-29;
 Matches 95; Conservative 56; Mismatches 104; Indels 38; Gaps 9;
     108 RIADFVLVWEEDLKLDROODSAARDRTDMHRT-WRETFLDNLRAAGLCVD--OODVODGN 164
Qv
           93 RSIDFVLAYRIN------AHEPTELENTEKRRVFEANLISOGLEVESSOKD---- 137
Db
     165 TTVHYALLSASWAVLCYYAEDLRLKLPLOELPNOASNWSAGLLAWLGIPNVL-----LE 218
Qy
            138 -QIWFVKIHAPLEVLRRYAEILKLRMPMKEIPGMSVVNRSTKSVFSSLKHVFQFFLRNIY 196
Db
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Qv
        219 VVPDVPPEYYSCRFRV--NKLPRFLGSDNQDTFFTSTKRHQILFEIL--AKTPYGHEKKN 274
           Db
        197 VDEEIFPK-RAHRFTAIYSRDKEYLFDIRODCFFTTAVRSRIVEFILDRORFPAKNOHDM 255
        275 LLGIHOLLAEGVLSAAFPLHDGPFKTPPEGPOAPRLNOROVLFOHWARWGKWNKYOPLDH 334
Qy
             11 :1:1111 111:1111
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Db
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; Sequence 47470, Application US/09270767
; Patent No. 6703491
: GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEO ID NOS: 62517
: SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47470
  LENGTH: 366
 TYPE: PRT
  ORGANISM: Drosophila melanogaster
US-09-270-767-47470
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      165 TTVHYALLSASWAVLCYYAEDLRLKLPLOELPNOASNWSAGLLAWLGIPNVL-----LE 218
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Db

Db

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RESULT 15
US-09-270-767-31816
: Sequence 31816, Application US/09270767
; Patent No. 6703491
: GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
: CURRENT APPLICATION NUMBER: US/09/270.767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEO ID NO 31816
  LENGTH: 189
   TYPE: PRT
   ORGANISM: Drosophila melanogaster
US-09-270-767-31816
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